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Relevance scale

21 Human interaction with intelligent systems: an overview and bibliography

David D. Woods, Leila Johannesen, Scott S. Potter
September 1991 **ACM SIGART Bulletin**, Volume 2 Issue 5

Publisher: ACM Press

Full text available: [pdf\(1.45 MB\)](#) Additional Information: [full citation](#), [index terms](#)



22 AutoMod II: the system builder

M. B. Thompson
October 1989 **Proceedings of the 21st conference on Winter simulation WSC '89**

Publisher: ACM Press

Full text available: [pdf\(718.45 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



AutoMod II (AM II) is an industrial simulation system that combines CAD-like drawing capabilities used to input movement systems with a powerful, engineering oriented, procedural language for the definition of control logic and material flow. AM II's CAD features are used to define the physical geometry of manufacturing, material handling, storage, and distribution systems. Unlike most other simulation packages, AM II's powerful graphical interface accurately captures the physical constraints of ...

23 Experiences in automating the testing of SS7 signalling transfer points

Tim Moors, Malathi Veeraraghavan, Zhifeng Tao, Xuan Zheng, Ramesh Badri
July 2002 **ACM SIGSOFT Software Engineering Notes**, Proceedings of the 2002 ACM SIGSOFT international symposium on Software testing and analysis ISSTA '02, Volume 27 Issue 4

Publisher: ACM Press

Full text available: [pdf\(271.59 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



Signalling System 7 (SS7) is widely used for telephone signalling. Service providers need to frequently test their Signalling Transfer Points (STPs), which switch SS7 messages, for both protocol conformance and interoperability. This paper describes a system that automatically analyzes the data collected during STP tests. It consists of files that describe how the STPs are expected to behave during the test, and Perl code that translates this Expected Behavior into a program that can search the ...

Keywords: SS7, STP, automation, signaling system 7, signalling system 7

24 Dialog management in interactive systems: a comparative survey Stefan BrittsJanuary 1987 **ACM SIGCHI Bulletin**, Volume 18 Issue 3**Publisher:** ACM PressFull text available:  pdf(1.33 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Developing interactive systems is very expensive. This stems from the fact that, in average, 50--60 per cent of the lines of code in an application are for dialog management [Sutto77]. Therefore, dialog development has been recognized as an important area both among researchers and practitioners. As a result, many tools have been developed, or are under development, with the aim of reducing the dialog design and implementation efforts, and hence, reducing the costs.

25 A database approach for managing VLSI design data

Randy H. Katz

January 1982 **Proceedings of the 19th conference on Design automation DAC '82****Publisher:** IEEE PressFull text available:  pdf(830.15 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We describe an approach to managing information about VLSI designs, founded upon database system methods. A database component provides a low-level flat-file interface to stored data. Built on top is a design data management system, supporting the hierarchical construction of a design from primitive cells, and organizing data about alternative design representations and versions. Programs to provide a tailored interface to design data are also provided. The system simplifies the rapid const ...

26 A database management system for a VLSI design system

Gwo-Dong Chen, Tai-Ming Parng

June 1988 **Proceedings of the 25th ACM/IEEE conference on Design automation DAC '88****Publisher:** IEEE Computer Society PressFull text available:  pdf(810.26 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A special purpose database management system for VLSI design environment is presented. Besides supporting design data management and tools integration, the system provides lots of facilities for supporting fast development of efficient and powerful VLSI CAD tools. This system could simplify the task and reduce efforts of implementing an integrated VLSI design system.

27 Industrial practice I: Internet delivery of meteorological and oceanographic data in wide area naval usage environments Udaykiran Katikaneni, Roy Ladner, Frederick PetryMay 2004 **Proceedings of the 13th international World Wide Web conference on Alternate track papers & posters WWW Alt. '04****Publisher:** ACM PressFull text available:  pdf(214.06 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Access and retrieval of meteorological and oceanographic data from heterogeneous sources in a distributed system presents many issues. Effective bandwidth utilization is important for any distributed system. In addition, specific issues need to be addressed in order to assimilate spatio-temporal data from multiple sources. These issues include resolution of differences in datum, map-projection and time coordinate. Reduction in the complexity of data formats is a significant factor for fostering ...

Keywords: meteorological and oceanographic data, resumable object streams

28 Building a user-derived interface

 Michael D. Good, John A. Whiteside, Dennis R. Wixon, Sandra J. Jones
October 1984 **Communications of the ACM**, Volume 27 Issue 10

Publisher: ACM Press

Full text available:  pdf(1.10 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Many human-computer interfaces are designed with the assumption that the user must adapt to the system, that users must be trained and their behavior altered to fit a given interface. The research presented here proceeds from the alternative assumption: Novice behavior is inherently sensible, and the computer system can be made to adapt to it. Specifically, a measurably easy-to-use interface was built to accommodate the actual behavior of novice users. Novices attempted an electroni ...

Keywords: command-language design, human-computer interaction, iterative design, user-derived interface

29 Continuous program optimization: A case study

 Thomas Kistler, Michael Franz
July 2003 **ACM Transactions on Programming Languages and Systems (TOPLAS)**,
Volume 25 Issue 4

Publisher: ACM Press

Full text available:  pdf(877.67 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Much of the software in everyday operation is not making optimal use of the hardware on which it actually runs. Among the reasons for this discrepancy are hardware/software mismatches, modularization overheads introduced by software engineering considerations, and the inability of systems to adapt to users' behaviors. A solution to these problems is to delay code generation until load time. This is the earliest point at which a piece of software can be fine-tuned to the actual capabilities of the ...

Keywords: Dynamic code generation, continuous program optimization, dynamic reoptimization

30 Specification and implementation of resilient, atomic data types

 William Weihl, Barbara Liskov
June 1983 **Proceedings of the 1983 ACM SIGPLAN symposium on Programming language issues in software systems SIGPLAN '83**

Publisher: ACM Press

Full text available:  pdf(1.28 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A major issue in many applications is how to preserve the consistency of data in the presence of concurrency and hardware failures. We suggest addressing this problem by implementing applications in terms of abstract data types with two properties: Their objects are atomic (they provide serializability and recoverability for activities using them) and resilient (they survive hardware failures with acceptably high probability). We define what it means for abstract data types to be atomic and ...

31

A vertically organized computer-aided design data base

Kenneth A. Roberts, Thomas E. Baker, David H. Jerome
 June 1981 **Proceedings of the 18th conference on Design automation DAC '81**

Publisher: IEEE Press

Full text available:  pdf(581.58 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

GTE Laboratories is developing a new CAD data base to support the design of integrated circuits and printed circuit boards. In designing the data base around a commercial DBMS with the intention of taking advantage of the useful features in such systems, several major problems have been encountered. The authors discuss those features of the new data base, including a novel data organization, which address these problems while satisfying the objective of providing full data management suppor ...

- 32 Innovative technologies of e-commerce: A template-based approach for mass customization of service-oriented e-business applications** 
- Xiyong Zhu, Xingwang Zheng
 August 2005 **Proceedings of the 7th international conference on Electronic commerce ICEC '05**

Publisher: ACM Press

Full text available:  pdf(591.04 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

With more and more successful implementation of e-business applications in various kinds of enterprises, business processes tend to be more standardized, the internal variations of e-business applications decrease. Meanwhile, new IT technology enables individual enterprise to demand more personalized software products to meet its specific requirements, the external varieties for e-business applications increase. This establishes the need and possibility for mass customization of e-business appli ...

Keywords: SOA, e-business services, software mass customization, template, toolkit

- 33 A data modeling approach for office information systems** 
- Simon Gibbs, Dionysis Tsichritzis
 October 1983 **ACM Transactions on Information Systems (TOIS)**, Volume 1 Issue 4

Publisher: ACM Press

Full text available:  pdf(1.23 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

- 34 Multiprocessor self diagnosis, surgery, and recovery in air terminal traffic control** 
 W. Walther
 January 1973 **ACM SIGOPS Operating Systems Review , Proceedings of the fourth ACM symposium on Operating system principles SOSP '73**, Volume 7 Issue 4

Publisher: ACM Press

Full text available:  pdf(533.10 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

The rapid growth of global aviation for business and pleasure has created the need for automated terminal systems of increasing complexity and capability. Continued increases in the aircraft population will require higher levels of automation. Sperry Univac is responding to this challenge with a multiprocessing system, including hardware and software, currently under development which will enable controllers to safely manage the crowded skies.

- 35 Invited papers and panel: Elastic windows: improved spatial layout and rapid multiple window operations** 
 Eser Kandogan, Ben Shneiderman
 May 1996 **Proceedings of the workshop on Advanced visual interfaces AVI '96**

Publisher: ACM Press

Full text available:  pdf(2.63 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Most windowing systems follow the independent overlapping windows approach, which emerged as an answer to the needs of the 80s' application and technology. Advances in computers, display technology, and the applications demand more functionality from window management systems. Based on these changes and the problems of current windowing approaches, we have updated the requirements for multiwindow systems to guide new methods of window management. We propose elastic windows with improved spatial ...

Keywords: CAD, elastic windows, multi-window operations, personal role manager, programming environment, task switching, window manager

36 Intrusion detection and modeling: Augmenting storage with an intrusion response primitive to ensure the security of critical data

 Ashish Gehani, Surendar Chandra, Gershon Kedem

March 2006 **Proceedings of the 2006 ACM Symposium on Information, computer and communications security ASIACCS '06**

Publisher: ACM Press

Full text available:  pdf(326.59 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Hosts connected to the Internet continue to suffer attacks with high frequency. The use of an intrusion detector allows potential threats to be flagged. When an alarm is raised, preventive action can be taken. A primary goal of such action is to assure the security of the data stored in the system. If this operation is effected manually, the delay between the alarm and the response may be enough for an intruder to cause significant damage. The alternative proposed in this paper is to provide a re ...

37 Planning and user interface affordances

 Robert St. Amant

December 1998 **Proceedings of the 4th international conference on Intelligent user interfaces IUI '99**

Publisher: ACM Press

Full text available:  pdf(1.07 MB) Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: affordances, planning

38 WorkFlow systems: a few definitions and a few suggestions

 Paulo Barthelmess, Jacques Wainer

August 1995 **Proceedings of conference on Organizational computing systems COCS '95**

Publisher: ACM Press

Full text available:  pdf(1.02 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper hopes to make a contribution on three aspects of workflow systems: we stress the fact that there is a broken symmetry between the level of the specification of the procedures and the level of their enactment; we propose some ways of classifying activities and exceptions; and we propose some run-time functionalities to help users deal with exceptions.

39

Practitioner reports: Service-oriented architecture and business process

 choreography in an order management scenario: rationale, concepts, lessons learned

Olaf Zimmermann, Vadim Doubrovski, Jonas Grundler, Kerard Hogg

October 2005 **Companion to the 20th annual ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications OOPSLA '05**

Publisher: ACM Press

Full text available:  pdf(437.99 KB)

 mov(30:57 MIN)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Effective and affordable business-to-business process integration is a key success factor in the telecommunications industry. A large telecommunication wholesaler, supplying its services to more than 150 different service retailers, enhanced the process integration capabilities of its core order management system through widespread use of SOA, business process choreography and Web services concepts. This core order management system processes 120 different complex order types. On this project, ch ...

Keywords: B2B, BPEL, HTTP, J2EE, SOAP, WSDL, XML, application server, best practices, business process, order management, process choreography, process integration, service-oriented architecture, telecommunications, web application, web services, workflow

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1 [Classics in software engineering](#)

January 1979 Divisible Book

Publisher: Yourdon Press

 Additional Information: [full citation](#), [cited by](#), [index terms](#)

2 [Requirements interaction management](#)

 William N. Robinson, Suzanne D. Pawlowski, Vecheslav Volkov
 June 2003 **ACM Computing Surveys (CSUR)**, Volume 35 Issue 2

Publisher: ACM Press

 Full text available: [pdf \(1.24 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


Requirements interaction management (RIM) is the set of activities directed toward the discovery, management, and disposition of critical relationships among sets of requirements, which has become a critical area of requirements engineering. This survey looks at the evolution of supporting concepts and their related literature, presents an issues-based framework for reviewing processes and products, and applies the framework in a review of RIM state-of-the-art. Finally, it presents seven research ...

Keywords: KAOS, KATE, Oz, Requirements engineering, Telos, WinWin, analysis and design, composite system, deficiency driven design, dependency analysis, distributed intentionality, interaction analysis, software cost reduction (SCR), system architecture, system specification, viewpoints

3 [Writing efficient programs](#)

 Jon Louis Bentley
 January 1982 Book

Publisher: Prentice-Hall, Inc.

 Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

The primary task of software engineers is the cost-effective development of maintainable and useful software. There are many secondary problems lurking in that definition. One such problem arises from the term "useful": to be useful in the application at hand, software must often be efficient (that is, use little time or space). The problem we will

consider in this book is building efficient software systems.

There are a number of levels at which we may confront the problem of efficien ...

4 Progress in Picture Processing: 1969--71

 Azriel Rosenfeld

June 1973 **ACM Computing Surveys (CSUR)**, Volume 5 Issue 2

Publisher: ACM Press

Full text available:  pdf(2.34 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



5 An automated documentation system for a large scale manufacturing engineering research project

 Howard M. Bloom, Carl E. Wenger

April 1983 **Proceedings of the 2nd annual international conference on Systems documentation SIGDOC '83**

Publisher: ACM Press

Full text available:  pdf(637.00 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



The Automated Manufacturing Research Facility (AMRF) being implemented at the National Bureau of Standards (NBS) involves the development of a software system integrating the various information processing, communications and data storage functions required in a totally automated manufacturing environment. The project contains a five year software development effort by more than thirty research staff organizationally partitioned into many units working concurrently on different parts of the ...

6 Data base directions: the next steps

 John L. Berg

November 1976 **ACM SIGMOD Record , ACM SIGMIS Database**, Volume 8 , 8 Issue 4 , 2

Publisher: ACM Press

Full text available:  pdf(9.95 MB)

Additional Information: [full citation](#), [abstract](#), [citations](#)



What information about data base technology does a manager need to make prudent decisions about using this new technology? To provide this information the National Bureau of Standards and the Association for Computing Machinery established a workshop of approximately 80 experts in five major subject areas. The five subject areas were auditing, evolving technology, government regulations, standards, and user experience. Each area prepared a report contained in these proceedings. The proceedings p ...

Keywords: DBMS, auditing, cost/benefit analysis, data base, data base management, government regulation, management objectives, privacy, security, standards, technology assessment, user experience

7 Risks to the public in computers and related systems

 Peter G. Neumann

January 1987 **ACM SIGSOFT Software Engineering Notes**, Volume 12 Issue 1

Publisher: ACM Press

Full text available:  pdf(1.91 MB)

Additional Information: [full citation](#), [abstract](#)



The RISKS Forum in *Software Engineering Notes* does not limit itself just to software problems (let alone software engineering) because the risks we discuss don't either. Thus the topic demands a broad perspective.

8 Foundations for the Arcadia environment architecture

-  Richard N. Taylor, Frank C. Belz, Lori A. Clarke, Leon Osterweil, Richard W. Selby, Jack C. Wileden, Alexander L. Wolf, Michael Young
November 1988 ACM SIGSOFT Software Engineering Notes , ACM SIGPLAN Notices , Proceedings of the third ACM SIGSOFT/SIGPLAN software engineering symposium on Practical software development environments SDE 3, Volume 13 , 24 Issue 5 , 2

Publisher: ACM Press

Full text available:  pdf(2.01 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Early software environments have supported a narrow range of activities (programming environments) or else been restricted to a single "hard-wired" software development process. The Arcadia research project is investigating the construction of software environments that are tightly integrated, yet flexible and extensible enough to support experimentation with alternative software processes and tools. This has led us to view an environment as being composed of tw ...

9 Macintosh human interface guidelines

Apple Computer, Inc.
 January 1992 Book

Publisher: Addison-Wesley Publishing Company

Full text available:  pdf(37.61 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Macintosh Human Interface Guidelines describes the way to create products that optimize the interaction between people and Macintosh computers. It explains the whys and hows of the Macintosh interface in general terms and specific details.

Macintosh Human Interface Guidelines helps you link the philosophy behind the Macintosh interface to the actual implementation of interface elements. Examples from a wide range of Macintosh products show good human interface design, including individ ...

10 Web-enabled simulation technologies: web-enabled government/defense applications: Parallel discrete event simulation of space shuttle operations

Luis Rabelo, Jose Sepulveda, Mario Marin, Amith Paruchuri, Amit Wasadikar, Karthik Nayaranan

December 2004 **Proceedings of the 36th conference on Winter simulation WSC '04**

Publisher: Winter Simulation Conference

Full text available:  pdf(588.38 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

This paper describes the application of parallel simulation techniques to represent structured functional parallelism present within the Space Shuttle Operations Flow, utilizing the Synchronous Parallel Environment for Emulation and Discrete-Event Simulation (SPEEDES), an object-oriented multicomputing architecture. SPEEDES is a unified parallel simulation environment, which allocates events over multiple processors to get simulation speed up. Its optimistic processing capability minimizes simul ...

11 Concurrency control in advanced database applications

 Naser S. Barghouti, Gail E. Kaiser
 September 1991 **ACM Computing Surveys (CSUR)**, Volume 23 Issue 3

Publisher: ACM Press

Full text available:  pdf(4.69 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: advanced database applications, concurrency control, cooperative transactions, design environments, extended transaction models, long transactions,

object-oriented databases, relaxing serializability

12 Collaboration involving large displays: Collaborative knowledge management supporting mars mission scientists



Irene Tollinger, Michael McCurdy, Alonso H. Vera, Preston Tollinger
November 2004 **Proceedings of the 2004 ACM conference on Computer supported cooperative work CSCW '04**

Publisher: ACM Press

Full text available: [pdf\(4.07 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes the design and deployment of a collaborative software tool, designed for and presently in use on the Mars Exploration Rovers (MER) 2003 mission. Two central questions are addressed. Does collaborative content like that created on easels and whiteboards have persistent value? Can groups of people jointly manage collaboratively created content? Based on substantial quantitative and qualitative data collected during mission operations, it remains difficult to conclusively answer ...

Keywords: collaboration, knowledge management

13 Comprehensive access to printed materials (CAPM)



G. Sayeed Choudhury, Mark Lorie, Erin Fitzpatrick, Ben Hobbs, Greg Chirikjian, Allison Okamura, Nicholas E. Flores

January 2001 **Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries JCDL '01**

Publisher: ACM Press

Full text available: [pdf\(105.75 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The CAPM Project features the development and evaluation of an automated, robotic on-demand scanning system for materials at remote locations. To date, we have developed a book retrieval robot and a valuation analysis framework for evaluating CAPM. We intend to augment CAPM by exploring approaches for automated page turning and improved valuation. These extensions will result in a more fully automated CAPM system and a valuation framework that will not only be useful for assessing CAPM ...

Keywords: browsing, digital conversion, digital preservation, evaluation methods, information economics, paper manipulation, robotics

14 iTasks: executable specifications of interactive work flow systems for the web



Rinus Plasmeijer, Peter Achten, Pieter Koopman

October 2007 **ACM SIGPLAN Notices , Proceedings of the 2007 ACM SIGPLAN international conference on Functional programming ICFP '07**, Volume 42 Issue 9

Publisher: ACM Press

Full text available: [pdf\(434.83 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper we introduce the iTask system: a set of combinators to specify work flows in a pure functional language at a very high level of abstraction. Work flow systems are automated systems in which tasks are coordinated that have to be executed by humans and computers. The combinators that we propose support work flow patterns commonly found in commercial work flow systems. Compared with most of these commercial systems, the iTask system offers several advantages: tasks ar ...

Keywords: clean, iData, iTask

15 Columns: Risks to the public in computers and related systems Peter G. NeumannSeptember 2002 **ACM SIGSOFT Software Engineering Notes**, Volume 27 Issue 5**Publisher:** ACM PressFull text available:  pdf(1.40 MB) Additional Information: [full citation](#)**16 Reverse execution of programs** Bitan Biswas, R. MallApril 1999 **ACM SIGPLAN Notices**, Volume 34 Issue 4**Publisher:** ACM PressFull text available:  pdf(719.86 KB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

Conventional debuggers do not allow users to go back and examine the program states at statements which have already been executed. In case the user wants to examine the program state at a statement which was executed sometime back, he is forced to restart the entire debugging process. To overcome this problem, we examine the issue of reverse execution of programs. To this end, we introduce the concept of *inverse of a statement*. We describe our implementation of a debugger which can execu ...

**Keywords:** inverse statements, program debugging, reverse execution**17 Real-time disturbance control** B. Chandrasekaran, R. Bhatnager, D. D. SharmaAugust 1991 **Communications of the ACM**, Volume 34 Issue 8**Publisher:** ACM PressFull text available:  pdf(3.75 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)**18 The new (1982) Computing Reviews classification system—final version** Jean E. Sammet, Anthony RalstonJanuary 1982 **Communications of the ACM**, Volume 25 Issue 1**Publisher:** ACM PressFull text available:  pdf(731.04 KB) Additional Information: [full citation](#), [citations](#), [index terms](#)**19 Technical reports** SIGACT News StaffJanuary 1980 **ACM SIGACT News**, Volume 12 Issue 1**Publisher:** ACM PressFull text available:  pdf(5.28 MB) Additional Information: [full citation](#)**20 A retrospective on the Dorado, a high-performance personal computer** Kenneth A. PierJune 1983 **ACM SIGARCH Computer Architecture News , Proceedings of the 10th annual international symposium on Computer architecture ISCA '83**, Volume 11 Issue 3**Publisher:** IEEE Computer Society Press, ACM Press

Full text available:  [pdf\(2.01 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In late 1975, members of the Xerox Palo Alto Research Center embarked on the specification of a high-performance successor to the Alto personal minicomputer, in use since 1973. After four years, the resulting machine, called the Dorado, was in use within the research community at PARC. This paper begins with an overview of the design goals, architecture, and implementation of the Dorado and then provides a retrospective view and critique of the Dorado project as a whole. The major machine a ...

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1 Classics in software engineering

January 1979 Divisible Book

Publisher: Yourdon Press

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2 Requirements interaction management

 William N. Robinson, Suzanne D. Pawlowski, Vecheslav Volkov
 June 2003 **ACM Computing Surveys (CSUR)**, Volume 35 Issue 2

Publisher: ACM Press

 Full text available: [pdf \(1.24 MB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


Requirements interaction management (RIM) is the set of activities directed toward the discovery, management, and disposition of critical relationships among sets of requirements, which has become a critical area of requirements engineering. This survey looks at the evolution of supporting concepts and their related literature, presents an issues-based framework for reviewing processes and products, and applies the framework in a review of RIM state-of-the-art. Finally, it presents seven research ...

Keywords: KAOS, KATE, Oz, Requirements engineering, Telos, WinWin, analysis and design, composite system, deficiency driven design, dependency analysis, distributed intentionality, interaction analysis, software cost reduction (SCR), system architecture, system specification, viewpoints

3 Writing efficient programs

 Jon Louis Bentley
 January 1982 Book

Publisher: Prentice-Hall, Inc.

 Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)


The primary task of software engineers is the cost-effective development of maintainable and useful software. There are many secondary problems lurking in that definition. One such problem arises from the term "useful": to be useful in the application at hand, software must often be efficient (that is, use little time or space). The problem we will

consider in this book is building efficient software systems.

There are a number of levels at which we may confront the problem of efficiency ...

4 Progress in Picture Processing: 1969-71



Azriel Rosenfeld

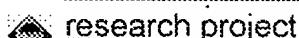
June 1973 **ACM Computing Surveys (CSUR)**, Volume 5 Issue 2

Publisher: ACM Press

Full text available: pdf(2.34 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



5 An automated documentation system for a large scale manufacturing engineering



research project

Howard M. Bloom, Carl E. Wenger

April 1983 **Proceedings of the 2nd annual international conference on Systems documentation SIGDOC '83**

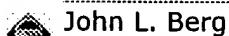
Publisher: ACM Press

Full text available: pdf(637.00 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



The Automated Manufacturing Research Facility (AMRF) being implemented at the National Bureau of Standards (NBS) involves the development of a software system integrating the various information processing, communications and data storage functions required in a totally automated manufacturing environment. The project contains a five year software development effort by more than thirty research staff organizationally partitioned into many units working concurrently on different parts of the ...

6 Data base directions: the next steps



John L. Berg

November 1976 **ACM SIGMOD Record , ACM SIGMIS Database**, Volume 8 , 8 Issue 4 , 2

Publisher: ACM Press

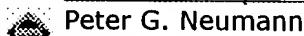
Full text available: pdf(9.95 MB) Additional Information: [full citation](#), [abstract](#), [citations](#)



What information about data base technology does a manager need to make prudent decisions about using this new technology? To provide this information the National Bureau of Standards and the Association for Computing Machinery established a workshop of approximately 80 experts in five major subject areas. The five subject areas were auditing, evolving technology, government regulations, standards, and user experience. Each area prepared a report contained in these proceedings. The proceedings p ...

Keywords: DBMS, auditing, cost/benefit analysis, data base, data base management, government regulation, management objectives, privacy, security, standards, technology assessment, user experience

7 Risks to the public in computers and related systems



Peter G. Neumann

January 1987 **ACM SIGSOFT Software Engineering Notes**, Volume 12 Issue 1

Publisher: ACM Press

Full text available: pdf(1.91 MB) Additional Information: [full citation](#), [abstract](#)



The RISKS Forum in *Software Engineering Notes* does not limit itself just to software problems (let alone software engineering) because the risks we discuss don't either. Thus the topic demands a broad perspective.

8 Foundations for the Arcadia environment architecture

- Richard N. Taylor, Frank C. Belz, Lori A. Clarke, Leon Osterweil, Richard W. Selby, Jack C. Wileden, Alexander L. Wolf, Michael Young
November 1988 **ACM SIGSOFT Software Engineering Notes , ACM SIGPLAN Notices , Proceedings of the third ACM SIGSOFT/SIGPLAN software engineering symposium on Practical software development environments SDE 3**, Volume 13 , 24 Issue 5 , 2

Publisher: ACM Press

Full text available:  pdf(2.01 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Early software environments have supported a narrow range of activities (programming environments) or else been restricted to a single "hard-wired" software development process. The Arcadia research project is investigating the construction of software environments that are tightly integrated, yet flexible and extensible enough to support experimentation with alternative software processes and tools. This has led us to view an environment as being composed of tw ...

9 Macintosh human interface guidelines

Apple Computer, Inc.
January 1992 Book

Publisher: Addison-Wesley Publishing Company

Full text available:  pdf(37.61 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Macintosh Human Interface Guidelines describes the way to create products that optimize the interaction between people and Macintosh computers. It explains the whys and hows of the Macintosh interface in general terms and specific details.

Macintosh Human Interface Guidelines helps you link the philosophy behind the Macintosh interface to the actual implementation of interface elements. Examples from a wide range of Macintosh products show good human interface design; including individ ...

10 Web-enabled simulation technologies: web-enabled government/defense applications: Parallel discrete event simulation of space shuttle operations

Luis Rabelo, Jose Sepulveda, Mario Marin, Amith Paruchuri, Amit Wasadikar, Karthik Nayaranan

December 2004 **Proceedings of the 36th conference on Winter simulation WSC '04**

Publisher: Winter Simulation Conference

Full text available:  pdf(588.38 KB)

Additional Information: [full citation](#), [abstract](#), [references](#)

This paper describes the application of parallel simulation techniques to represent structured functional parallelism present within the Space Shuttle Operations Flow, utilizing the Synchronous Parallel Environment for Emulation and Discrete-Event Simulation (SPEEDES), an object-oriented multicompiling architecture. SPEEDES is a unified parallel simulation environment, which allocates events over multiple processors to get simulation speed up. Its optimistic processing capability minimizes simul ...

11 Concurrency control in advanced database applications

Naser S. Barghouti, Gail E. Kaiser
September 1991 **ACM Computing Surveys (CSUR)**, Volume 23 Issue 3

Publisher: ACM Press

Full text available:  pdf(4.69 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: advanced database applications, concurrency control, cooperative transactions, design environments, extended transaction models, long transactions,

object-oriented databases, relaxing serializability

12 Collaboration involving large displays: Collaborative knowledge management supporting mars mission scientists



Irene Tollinger, Michael McCurdy, Alonso H. Vera, Preston Tollinger
November 2004 **Proceedings of the 2004 ACM conference on Computer supported cooperative work CSCW '04**

Publisher: ACM Press

Full text available: pdf(4.07 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes the design and deployment of a collaborative software tool, designed for and presently in use on the Mars Exploration Rovers (MER) 2003 mission. Two central questions are addressed. Does collaborative content like that created on easels and whiteboards have persistent value? Can groups of people jointly manage collaboratively created content? Based on substantial quantitative and qualitative data collected during mission operations, it remains difficult to conclusively an ...

Keywords: collaboration, knowledge management

13 Comprehensive access to printed materials (CAPM)



G. Sayeed Choudhury, Mark Lorie, Erin Fitzpatrick, Ben Hobbs, Greg Chirikjian, Allison Okamura, Nicholas E. Flores

January 2001 **Proceedings of the 1st ACM/IEEE-CS joint conference on Digital libraries JCDL '01**

Publisher: ACM Press

Full text available: pdf(105.75 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The CAPM Project features the development and evaluation of an automated, robotic on-demand scanning system for materials at remote locations. To date, we have developed a book retrieval robot and a valuation analysis framework for evaluating CAPM. We intend to augment CAPM by exploring approaches for automated page turning and improved valuation. These extensions will result in a more fully automated CAPM system and a valuation framework that will not only be useful for assessing CAPM ...

Keywords: browsing, digital conversion, digital preservation, evaluation methods, information economics, paper manipulation, robotics

14 iTasks: executable specifications of interactive work flow systems for the web



Rinus Plasmeijer, Peter Achten, Pieter Koopman

October 2007 **ACM SIGPLAN Notices , Proceedings of the 2007 ACM SIGPLAN international conference on Functional programming ICFP '07**, Volume 42 Issue 9

Publisher: ACM Press

Full text available: pdf(434.83 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In this paper we introduce the iTask system: a set of combinators to specify *work flows* in a pure functional language at a very high level of abstraction. Work flow systems are automated systems in which *tasks* are coordinated that have to be executed by humans and computers. The combinators that we propose support work flow patterns commonly found in commercial work flow systems. Compared with most of these commercial systems, the iTask system offers several advantages: tasks ar ...

Keywords: clean, iData, iTask

15 Columns: Risks to the public in computers and related systems Peter G. NeumannSeptember 2002 **ACM SIGSOFT Software Engineering Notes**, Volume 27 Issue 5**Publisher:** ACM PressFull text available:  pdf(1.40 MB) Additional Information: [full citation](#)**16 Reverse execution of programs** Bitan Biswas, R. MallApril 1999 **ACM SIGPLAN Notices**, Volume 34 Issue 4**Publisher:** ACM PressFull text available:  pdf(719.86 KB) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

Conventional debuggers do not allow users to go back and examine the program states at statements which have already been executed. In case the user wants to examine the program state at a statement which was executed sometime back, he is forced to restart the entire debugging process. To overcome this problem, we examine the issue of reverse execution of programs. To this end, we introduce the concept of *inverse of a statement*. We describe our implementation of a debugger which can execu ...

Keywords: inverse statements, program debugging, reverse execution**17 Real-time disturbance control** B. Chandrasekaran, R. Bhatnager, D. D. SharmaAugust 1991 **Communications of the ACM**, Volume 34 Issue 8**Publisher:** ACM PressFull text available:  pdf(3.75 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)**18 The new (1982) Computing Reviews classification system—final version** Jean E. Sammet, Anthony RalstonJanuary 1982 **Communications of the ACM**, Volume 25 Issue 1**Publisher:** ACM PressFull text available:  pdf(731.04 KB) Additional Information: [full citation](#), [citations](#), [index terms](#)**19 Technical reports** SIGACT News StaffJanuary 1980 **ACM SIGACT News**, Volume 12 Issue 1**Publisher:** ACM PressFull text available:  pdf(5.28 MB) Additional Information: [full citation](#)**20 A retrospective on the Dorado, a high-performance personal computer** Kenneth A. PierJune 1983 **ACM SIGARCH Computer Architecture News , Proceedings of the 10th annual international symposium on Computer architecture ISCA '83**, Volume 11 Issue 3**Publisher:** IEEE Computer Society Press, ACM Press

Full text available:  [pdf\(2.01 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In late 1975, members of the Xerox Palo Alto Research Center embarked on the specification of a high-performance successor to the Alto personal minicomputer, in use since 1973. After four years, the resulting machine, called the Dorado, was in use within the research community at PARC. This paper begins with an overview of the design goals, architecture, and implementation of the Dorado and then provides a retrospective view and critique of the Dorado project as a whole. The major machine a ...

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Terms used: [automation system](#)
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Relevance scale

21 Human interaction with intelligent systems: an overview and bibliography

David D. Woods, Leila Johannesen, Scott S. Potter
September 1991 **ACM SIGART Bulletin**, Volume 2 Issue 5

Publisher: ACM Press

Full text available: [pdf\(1.45 MB\)](#) Additional Information: [full citation](#), [index terms](#)



22 AutoMod II: the system builder

M. B. Thompson
October 1989 **Proceedings of the 21st conference on Winter simulation WSC '89**

Publisher: ACM Press

Full text available: [pdf\(718.45 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



AutoMod II (AM II) is an industrial simulation system that combines CAD-like drawing capabilities used to input movement systems with a powerful, engineering oriented, procedural language for the definition of control logic and material flow. AM II's CAD features are used to define the physical geometry of manufacturing, material handling, storage, and distribution systems. Unlike most other simulation packages, AM II's powerful graphical interface accurately captures the physical constraints of ...

23 Experiences in automating the testing of SS7 signalling transfer points

Tim Moors, Malathi Veeraraghavan, Zhifeng Tao, Xuan Zheng, Ramesh Badri
July 2002 **ACM SIGSOFT Software Engineering Notes**, **Proceedings of the 2002 ACM SIGSOFT international symposium on Software testing and analysis ISSTA '02**, Volume 27 Issue 4

Publisher: ACM Press

Full text available: [pdf\(271.59 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



Signalling System 7 (SS7) is widely used for telephone signalling. Service providers need to frequently test their Signalling Transfer Points (STPs), which switch SS7 messages, for both protocol conformance and interoperability. This paper describes a system that automatically analyzes the data collected during STP tests. It consists of files that describe how the STPs are expected to behave during the test, and Perl code that translates this Expected Behavior into a program that can search the ...

Keywords: SS7, STP, automation, signaling system 7, signalling system 7

24 Dialog management in interactive systems: a comparative survey Stefan BrittsJanuary 1987 **ACM SIGCHI Bulletin**, Volume 18 Issue 3**Publisher:** ACM PressFull text available:  pdf(1.33 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Developing interactive systems is very expensive. This stems from the fact that, in average, 50--60 per cent of the lines of code in an application are for dialog management [Sutto77]. Therefore, dialog development has been recognized as an important area both among researchers and practitioners. As a result, many tools have been developed, or are under development, with the aim of reducing the dialog design and implementation efforts, and hence, reducing the costs.

25 A database approach for managing VLSI design data

Randy H. Katz

January 1982 **Proceedings of the 19th conference on Design automation DAC '82****Publisher:** IEEE PressFull text available:  pdf(830.15 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We describe an approach to managing information about VLSI designs, founded upon database system methods. A database component provides a low-level flat-file interface to stored data. Built on top is a design data management system, supporting the hierarchical construction of a design from primitive cells, and organizing data about alternative design representations and versions. Programs to provide a tailored interface to design data are also provided. The system simplifies the rapid const ...

26 A database management system for a VLSI design system

Gwo-Dong Chen, Tai-Ming Parng

June 1988 **Proceedings of the 25th ACM/IEEE conference on Design automation DAC '88****Publisher:** IEEE Computer Society PressFull text available:  pdf(810.26 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A special purpose database management system for VLSI design environment is presented. Besides supporting design data management and tools integration, the system provides lots of facilities for supporting fast development of efficient and powerful VLSI CAD tools. This system could simplify the task and reduce efforts of implementing an integrated VLSI design system.

27 Industrial practice I: Internet delivery of meteorological and oceanographic data in wide area naval usage environments Udaykiran Katikaneni, Roy Ladner, Frederick PetryMay 2004 **Proceedings of the 13th international World Wide Web conference on Alternate track papers & posters WWW Alt. '04****Publisher:** ACM PressFull text available:  pdf(214.06 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Access and retrieval of meteorological and oceanographic data from heterogeneous sources in a distributed system presents many issues. Effective bandwidth utilization is important for any distributed system. In addition, specific issues need to be addressed in order to assimilate spatio-temporal data from multiple sources. These issues include resolution of differences in datum, map-projection and time coordinate. Reduction in the complexity of data formats is a significant factor for fostering ...

Keywords: meteorological and oceanographic data, resumable object streams

28 Building a user-derived interface

 Michael D. Good, John A. Whiteside, Dennis R. Wixon, Sandra J. Jones
October 1984 **Communications of the ACM**, Volume 27 Issue 10

Publisher: ACM Press

Full text available:  pdf(1.10 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Many human-computer interfaces are designed with the assumption that the user must adapt to the system, that users must be trained and their behavior altered to fit a given interface. The research presented here proceeds from the alternative assumption: Novice behavior is inherently sensible, and the computer system can be made to adapt to it. Specifically, a measurably easy-to-use interface was built to accommodate the actual behavior of novice users. Novices attempted an electroni ...

Keywords: command-language design, human-computer interaction, iterative design, user-derived interface

29 Continuous program optimization: A case study

 Thomas Kistler, Michael Franz
July 2003 **ACM Transactions on Programming Languages and Systems (TOPLAS)**,
Volume 25 Issue 4

Publisher: ACM Press

Full text available:  pdf(877.67 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Much of the software in everyday operation is not making optimal use of the hardware on which it actually runs. Among the reasons for this discrepancy are hardware/software mismatches, modularization overheads introduced by software engineering considerations, and the inability of systems to adapt to users' behaviors. A solution to these problems is to delay code generation until load time. This is the earliest point at which a piece of software can be fine-tuned to the actual capabilities of the ...

Keywords: Dynamic code generation, continuous program optimization, dynamic reoptimization

30 Specification and implementation of resilient, atomic data types

 William Weihl, Barbara Liskov
June 1983 **Proceedings of the 1983 ACM SIGPLAN symposium on Programming language issues in software systems SIGPLAN '83**

Publisher: ACM Press

Full text available:  pdf(1.28 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

A major issue in many applications is how to preserve the consistency of data in the presence of concurrency and hardware failures. We suggest addressing this problem by implementing applications in terms of abstract data types with two properties: Their objects are atomic (they provide serializability and recoverability for activities using them) and resilient (they survive hardware failures with acceptably high probability). We define what it means for abstract data types to be atomic and ...

31

A vertically organized computer-aided design data base

Kenneth A. Roberts, Thomas E. Baker, David H. Jerome
June 1981 **Proceedings of the 18th conference on Design automation DAC '81**

Publisher: IEEE Press

Full text available:  pdf(581.58 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

GTE Laboratories is developing a new CAD data base to support the design of integrated circuits and printed circuit boards. In designing the data base around a commercial DBMS with the intention of taking advantage of the useful features in such systems, several major problems have been encountered. The authors discuss those features of the new data base, including a novel data organization, which address these problems while satisfying the objective of providing full data management suppor ...

- 32 Innovative technologies of e-commerce: A template-based approach for mass customization of service-oriented e-business applications 

Xiyong Zhu, Xingwang Zheng

August 2005 **Proceedings of the 7th international conference on Electronic commerce ICEC '05**

Publisher: ACM Press

Full text available:  pdf(591.04 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

With more and more successful implementation of e-business applications in various kinds of enterprises, business processes tend to be more standardized, the internal variations of e-business applications decrease. Meanwhile, new IT technology enables individual enterprise to demand more personalized software products to meet its specific requirements, the external varieties for e-business applications increase. This establishes the need and possibility for mass customization of e-business appli ...

Keywords: SOA, e-business services, software mass customization, template, toolkit

- 33 A data modeling approach for office information systems 

Simon Gibbs, Dionysis Tsichritzis

October 1983 **ACM Transactions on Information Systems (TOIS)**, Volume 1 Issue 4

Publisher: ACM Press

Full text available:  pdf(1.23 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

- 34 Multiprocessor self diagnosis, surgery, and recovery in air terminal traffic control 

W. Walther

January 1973 **ACM SIGOPS Operating Systems Review , Proceedings of the fourth ACM symposium on Operating system principles SOSP '73**, Volume 7 Issue 4

Publisher: ACM Press

Full text available:  pdf(533.10 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

The rapid growth of global aviation for business and pleasure has created the need for automated terminal systems of increasing complexity and capability. Continued increases in the aircraft population will require higher levels of automation. Sperry Univac is responding to this challenge with a multiprocessing system, including hardware and software, currently under development which will enable controllers to safely manage the crowded skies.

- 35 Invited papers and panel: Elastic windows: improved spatial layout and rapid multiple window operations 

Eser Kandogan, Ben Shneiderman

May 1996 **Proceedings of the workshop on Advanced visual interfaces AVI '96**

Publisher: ACM Press

Full text available:  pdf(2.63 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Most windowing systems follow the independent overlapping windows approach, which emerged as an answer to the needs of the 80s' application and technology. Advances in computers, display technology, and the applications demand more functionality from window management systems. Based on these changes and the problems of current windowing approaches, we have updated the requirements for multiwindow systems to guide new methods of window management. We propose elastic windows with improved spatial ...

Keywords: CAD, elastic windows, multi-window operations, personal role manager, programming environment, task switching, window manager

36 Intrusion detection and modeling: Augmenting storage with an intrusion response primitive to ensure the security of critical data



Ashish Gehani, Surendar Chandra, Gershon Kedem

March 2006 **Proceedings of the 2006 ACM Symposium on Information, computer and communications security ASIACCS '06**

Publisher: ACM Press

Full text available:  pdf(326.59 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Hosts connected to the Internet continue to suffer attacks with high frequency. The use of an intrusion detector allows potential threats to be flagged. When an alarm is raised, preventive action can be taken. A primary goal of such action is to assure the security of the data stored in the system. If this operation is effected manually, the delay between the alarm and the response may be enough for an intruder to cause significant damage. The alternative proposed in this paper is to provide a re ...

37 Planning and user interface affordances



Robert St. Amant

December 1998 **Proceedings of the 4th international conference on Intelligent user interfaces IUI '99**

Publisher: ACM Press

Full text available:  pdf(1.07 MB)

Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: affordances, planning

38 WorkFlow systems: a few definitions and a few suggestions



Paulo Barthelmess, Jacques Wainer

August 1995 **Proceedings of conference on Organizational computing systems COCS '95**

Publisher: ACM Press

Full text available:  pdf(1.02 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper hopes to make a contribution on three aspects of workflow systems: we stress the fact that there is a broken symmetry between the level of the specification of the procedures and the level of their enactment; we propose some ways of classifying activities and exceptions; and we propose some run-time functionalities to help users deal with exceptions.

39

Practitioner reports: Service-oriented architecture and business process



 [choreography in an order management scenario: rationale, concepts, lessons learned](#)

Olaf Zimmermann, Vadim Doubrovski, Jonas Grundler, Kerard Hogg

October 2005 **Companion to the 20th annual ACM SIGPLAN conference on Object-oriented programming, systems, languages, and applications OOPSLA '05**

Publisher: ACM Press

Full text available:  [pdf\(437.99 KB\)](#)

 [mov\(30.57 MIN\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Effective and affordable business-to-business process integration is a key success factor in the telecommunications industry. A large telecommunication wholesaler, supplying its services to more than 150 different service retailers, enhanced the process integration capabilities of its core order management system through widespread use of SOA, business process choreography and Web services concepts. This core order management system processes 120 different complex order types. On this project, ch ...

Keywords: B2B, BPEL, HTTP, J2EE, SOAP, WSDL, XML, application server, best practices, business process, order management, process choreography, process integration, service-oriented architecture, telecommunications, web application, web services, workflow

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1 Classics in software engineering

January 1979 Divisible Book

Publisher: Yourdon Press

 Additional Information: [full citation](#), [cited by](#), [index terms](#)

2 An extended classification of inter-instruction dependency and its application in automatic synthesis of pipelined processors

Ing-Jer Huang, Alvin M. Despain

 December 1993 **Proceedings of the 26th annual international symposium on Microarchitecture MICRO 26**
Publisher: IEEE Computer Society Press

 Full text available: [pdf \(1.43 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#)

Keywords: compiler back-end generation, hardware/software tradeoffs, high level synthesis, inter-instruction dependency, pipeline hazard resolution

3 Requirements interaction management

 William N. Robinson, Suzanne D. Pawłowski, Vecheslav Volkov
 June 2003 **ACM Computing Surveys (CSUR)**, Volume 35 Issue 2

Publisher: ACM Press

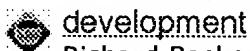
 Full text available: [pdf \(1.24 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Requirements interaction management (RIM) is the set of activities directed toward the discovery, management, and disposition of critical relationships among sets of requirements, which has become a critical area of requirements engineering. This survey looks at the evolution of supporting concepts and their related literature, presents an issues-based framework for reviewing processes and products, and applies the framework in a review of RIM state-of-the-art. Finally, it presents seven research ...

Keywords: KAOS, KATE, Oz, Requirements engineering, Telos, WinWin, analysis and design, composite system, deficiency driven design, dependency analysis, distributed

intentionality, interaction analysis, software cost reduction (SCR), system architecture, system specification, viewpoints

4 Information systems security design methods: implications for information systems



development

Richard Baskerville

December 1993 **ACM Computing Surveys (CSUR)**, Volume 25 Issue 4

Publisher: ACM Press

Full text available: pdf(3.44 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The security of information systems is a serious issue because computer abuse is increasing. It is important, therefore, that systems analysts and designers develop expertise in methods for specifying information systems security. The characteristics found in three generations of general information system design methods provide a framework for comparing and understanding current security design methods. These methods include approaches that use checklists of controls, divide functional req ...

Keywords: checklists, control, integrity, risk analysis, safety, structured systems analysis and design, system modeling

5 Hardware/software resolution of pipeline hazards in pipeline synthesis of instruction set processors



Ing-Jer Huang, Alvin M. Despain

November 1993 **Proceedings of the 1993 IEEE/ACM international conference on Computer-aided design ICCAD '93**

Publisher: IEEE Computer Society Press

Full text available: pdf(754.26 KB) Additional Information: [full citation](#), [references](#), [citations](#)

6 Mechanical design automation in IBM Poughkeepsie



Gilbert W. Curl

June 1981 **Proceedings of the 18th conference on Design automation DAC '81**

Publisher: IEEE Press

Full text available: pdf(439.87 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

The IBM Poughkeepsie mechanical design system reduces the cost and time to design and release mechanical parts during the product development cycle. The system uses an interactive graphics design program, CADAM*, and integrates complementary applications driven from the common mechanical design data base. The applications include: 1. Synchronization of the graphics data base with the bill of material data base. 2. Automated power cabling design and checking.

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IEEE JNL IEEE Journal or Magazine

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IET JNL IET Journal or Magazine

1. New Technology and Benefits of Distribution Automation in Japan

Nara, K.; Tanaka, T.; Funabashi, T.;

[Power Engineering Society General Meeting, 2007. IEEE](#)

24-28 June 2007 Page(s):1 - 5

Digital Object Identifier 10.1109/PES.2007.385913

[AbstractPlus](#) | Full Text: [PDF\(462 KB\)](#) [IEEE CNF](#)[Rights and Permissions](#)**2. IEEE International Conference on Systems Engineering (Cat. No.89CH2767-2)**[Systems Engineering, 1989., IEEE International Conference on](#)

24-26 Aug. 1989

Digital Object Identifier 10.1109/ICSYSE.1989.48605

[AbstractPlus](#) | Full Text: [PDF\(740 KB\)](#) [IEEE CNF](#)[Rights and Permissions](#)**3. CAD/CAM for dental restorations-challenges and possibilities**

Rekow, E.D.; Riley, D.R.; Erdman, A.G.; Klamecki, B.E.;

[Engineering in Medicine and Biology Society, 1989. Images of the Twenty-First Century. Proceedings of the International Conference of the IEEE Engineering in](#)

9-12 Nov. 1989 Page(s):1642 - 1643 vol.5

Digital Object Identifier 10.1109/EMBS.1989.96383

[AbstractPlus](#) | Full Text: [PDF\(148 KB\)](#) [IEEE CNF](#)[Rights and Permissions](#)**4. Implementing Multiagent Systems Technology for Power Distribution Network Control and F Management**

Baxevanou, I.S.; Labridis, D.P.;

[Power Delivery, IEEE Transactions on](#)

Volume 22, Issue 1, Jan. 2007 Page(s):433 - 443

Digital Object Identifier 10.1109/TPWRD.2006.877085

[AbstractPlus](#) | Full Text: [PDF\(282 KB\)](#) [IEEE JNL](#)[Rights and Permissions](#)**5. An Improved Median Filter Based on Automatic Parameter Tuning Approach**

Chen, Dali; Xue, Dingyu; Pan, Feng;

[Mechatronics and Automation, 2007. ICMA 2007. International Conference on](#)

5-8 Aug. 2007 Page(s):1305 - 1309

Digital Object Identifier 10.1109/ICMA.2007.4303738

[AbstractPlus](#) | Full Text: [PDF\(235 KB\)](#) IEEE CNF[Rights and Permissions](#)**6. A Multi-Agent Approach to the More Electric Aircraft Power System Reconfiguration**

Bian, Xiangnan; Ma, Qishuang; Zhou, Yuying;

[Mechatronics and Automation, 2007. ICMA 2007. International Conference on](#)

5-8 Aug. 2007 Page(s):978 - 982

Digital Object Identifier 10.1109/ICMA.2007.4303680

[AbstractPlus](#) | Full Text: [PDF\(235 KB\)](#) IEEE CNF[Rights and Permissions](#)**7. An Integrated System for Efficient Management of Distribution Networks: The System's Architecture and Telecommunication Infrastructure**

Sanseverino, E.R.; Incontrera, I.; Campoccia, F.;

[Universities Power Engineering Conference, 2006. UPEC '06. Proceedings of the 41st International](#)

Volume 1, 6-8 Sept. 2006 Page(s):257 - 261

Digital Object Identifier 10.1109/UPEC.2006.367755

[AbstractPlus](#) | Full Text: [PDF\(5461 KB\)](#) IEEE CNF[Rights and Permissions](#)**8. Adaptive Filtering Algorithm Using Long-Range Correlation for the Removal of Impulse Noise**

Ji-ping Sun; Ying-chun Li;

[Intelligent Control and Automation, 2006. WCICA 2006. The Sixth World Congress on](#)

Volume 2, 21-23 June 2006 Page(s):9591 - 9594

Digital Object Identifier 10.1109/WCICA.2006.1713862

[AbstractPlus](#) | Full Text: [PDF\(504 KB\)](#) IEEE CNF[Rights and Permissions](#)**9. Wavelet Domain Image Restoration Algorithm using Classified Hidden Markov Tree Model**

Yaping Zhu; Tingzhi Shen; Yu Cui;

[Intelligent Control and Automation, 2006. WCICA 2006. The Sixth World Congress on](#)

Volume 2, 21-23 June 2006 Page(s):9570 - 9573

Digital Object Identifier 10.1109/WCICA.2006.1713857

[AbstractPlus](#) | Full Text: [PDF\(352 KB\)](#) IEEE CNF[Rights and Permissions](#)**10. Wireless distributed monitoring and centralized controlling system for prefabricated substations**

Jingjing Cheng; Jing Jin; Li Kong;

[Industrial Technology, 2005. ICIT 2005. IEEE International Conference on](#)

14-17 Dec. 2005 Page(s):45 - 50

Digital Object Identifier 10.1109/ICIT.2005.1600608

[AbstractPlus](#) | Full Text: [PDF\(3840 KB\)](#) IEEE CNF[Rights and Permissions](#)**11. Technological evolution of MV equipment and structure network**

Cafaro, G.; di Bari, P.; Marchelli, C.;

[Power Tech Conference Proceedings, 2003. IEEE Bologna](#)

Volume 2, 23-26 June 2003 Page(s):5 pp. Vol.2

Digital Object Identifier 10.1109/PTC.2003.1304619

[AbstractPlus](#) | Full Text: [PDF\(526 KB\)](#) IEEE CNF[Rights and Permissions](#)**12. Implementation of network reconfiguration for Taiwan Power Company**

Ockwell, G.L.;

[Power Engineering Society General Meeting, 2003. IEEE](#)

Volume 4, 13-17 July 2003 Page(s):

Digital Object Identifier 10.1109/PES.2003.1271022

[AbstractPlus](#) | Full Text: [PDF\(443 KB\)](#) IEEE CNF

Rights and Permissions**13. Improving outage restoration efforts using rule-based prediction and advanced analysis**

Nielsen, T.D.;

[Power Engineering Society Winter Meeting, 2002, IEEE](#)

Volume 2, 27-31 Jan. 2002 Page(s):866 - 869 vol.2

Digital Object Identifier 10.1109/PESW.2002.985129

[AbstractPlus | Full Text: PDF\(412 KB\) IEEE CFP](#)[Rights and Permissions](#)**14. Outage management systems as integrated elements of the distribution enterprise**

Hall, D.F.;

[Power Engineering Society Summer Meeting, 2001, IEEE](#)

Volume 2, 15-19 July 2001 Page(s):989 - 991 vol.2

Digital Object Identifier 10.1109/PESS.2001.970191

[AbstractPlus | Full Text: PDF\(258 KB\) IEEE CFP](#)[Rights and Permissions](#)**15. Role of distribution automation in restoration of distribution systems after emergencies**

Pahwa, A.;

[Power Engineering Society Summer Meeting, 2001, IEEE](#)

Volume 1, 15-19 July 2001 Page(s):737 - 738 vol.1

Digital Object Identifier 10.1109/PESS.2001.970136

[AbstractPlus | Full Text: PDF\(364 KB\) IEEE CFP](#)[Rights and Permissions](#)**16. Modeling the impact of automation and control on the reliability of distribution systems**

Ying He; Andersson, G.; Allan, R.N.;

[Power Engineering Society Summer Meeting, 2000, IEEE](#)

Volume 1, 16-20 July 2000 Page(s):79 - 84 vol. 1

Digital Object Identifier 10.1109/PESS.2000.867415

[AbstractPlus | Full Text: PDF\(504 KB\) IEEE CFP](#)[Rights and Permissions](#)**17. Feeder reconfiguration for distribution system contingencies by object oriented programming**

Chen, C.S.; Lin, C.H.; Wu, C.J.; Kang, M.S.;

[Power Engineering Society Summer Meeting, 2000, IEEE](#)

Volume 1, 16-20 July 2000 Page(s):431 - 436 vol. 1

Digital Object Identifier 10.1109/PESS.2000.867625

[AbstractPlus | Full Text: PDF\(468 KB\) IEEE CFP](#)[Rights and Permissions](#)**18. Fault restoration algorithm using fast tracing technique based on the tree-structured database of distribution automation system**

Young-Hyun Moon; Byoung-Hoon Cho; Ho-Min Park; Heon-Su Ryn; Bok-Nam Ha; Sung-II Lim;

[Power Engineering Society Summer Meeting, 2000, IEEE](#)

Volume 1, 16-20 July 2000 Page(s):411 - 415 vol. 1

Digital Object Identifier 10.1109/PESS.2000.867621

[AbstractPlus | Full Text: PDF\(364 KB\) IEEE CFP](#)[Rights and Permissions](#)**19. An advanced model for automatic fault management in distribution networks**

Lehtonen, M.; Matsinen, A.; Antila, E.; Kuru, J.;

[Power Engineering Society Winter Meeting, 2000, IEEE](#)

Volume 3, 23-27 Jan. 2000 Page(s):1900 - 1904 vol.3

Digital Object Identifier 10.1109/PESW.2000.847643

[AbstractPlus | Full Text: PDF\(404 KB\) IEEE CFP](#)[Rights and Permissions](#)

20. A fuzzy reasoning approach for distribution automation
Trovato, M.; Delvecchio, G.; Bualoti, R.;
[Electric Power Engineering, 1999. PowerTech Budapest 99, International Conference on](#)
29 Aug.-2 Sept. 1999 Page(s):249
Digital Object Identifier 10.1109/PTC.1999.826681
[AbstractPlus](#) | Full Text: [PDF\(88 KB\)](#) IEEE CNT
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21. A Rule-Based Expert System with Colored Petri Net Models for Distribution System Service
Chen, C. S.; Lin, C. H.; Tsai, H. Y.;
[Power Engineering Review, IEEE](#)
Volume 22, Issue 10, Oct. 2002 Page(s):59 - 59
Digital Object Identifier 10.1109/MPER.2002.4311746
[AbstractPlus](#) | Full Text: [PDF\(368 KB\)](#) IEEE JNL
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22. Distribution automation: SCADA integration is key
Ghoshal, K.;
[Computer Applications in Power, IEEE](#)
Volume 10, Issue 1, Jan. 1997 Page(s):31 - 35
Digital Object Identifier 10.1109/67.560831
[AbstractPlus](#) | Full Text: [PDF\(1508 KB\)](#) IEEE JNL
[Rights and Permissions](#)
23. Fault and Equipment Failure Analysis in Distribution Systems Using Intelligent Techniques
Kreiss, D.G.;
[Power Engineering Society General Meeting, 2007, IEEE](#)
24-28 June 2007 Page(s):1 - 2
Digital Object Identifier 10.1109/PES.2007.386055
[AbstractPlus](#) | Full Text: [PDF\(85 KB\)](#) IEEE CNT
[Rights and Permissions](#)
24. Test Bed for Studying Real-Time Simulation and Control for Shipboard Power Systems
Butler-Purry, Karen L.; Damle, Gayatri R.; Sarma, N.D.R.; Uriarte, Fabian; Grant, Derek;
[Electric Ship Technologies Symposium, 2007, ESTS '07, IEEE](#)
21-23 May 2007 Page(s):434 - 437
Digital Object Identifier 10.1109/ESTS.2007.372122
[AbstractPlus](#) | Full Text: [PDF\(160 KB\)](#) IEEE CNT
[Rights and Permissions](#)
25. Introducing GPRS technology into remote monitoring system for prefabricated substations
Li Kong; Jing Jin; Jingjing Cheng;
[Mobile Technology, Applications and Systems, 2005 2nd International Conference on](#)
15-17 Nov. 2005 Page(s):6 pp.
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Jayabalan, R.; Fahimi, B.;

[Vehicle Power and Propulsion_2005 IEEE Conference](#)

7-9 Sept. 2005 Page(s):5 pp.

Digital Object Identifier 10.1109/VPPC.2005.1554537

[AbstractPlus](#) | Full Text: [PDF\(264 KB\)](#) **IEEE CNF**[Rights and Permissions](#)**27. Intelligent correlation and analysis of substation nonoperational data**

Kreiss, D.G.;

[Power Engineering Society General Meeting_2004 IEEE](#)

6-10 June 2004 Page(s):724 - 726 Vol.1

Digital Object Identifier 10.1109/PES.2004.1372911

[AbstractPlus](#) | Full Text: [PDF\(482 KB\)](#) **IEEE CNF**[Rights and Permissions](#)**28. 2001 IEEE/PES Transmission and Distribution Conference and Exposition. Developing New No.01CH37294)**[Transmission and Distribution Conference and Exposition_2001 IEEE/PES](#)

Volume 2, 28 Oct.-2 Nov. 2001

Digital Object Identifier 10.1109/TDC.2001.971306

[AbstractPlus](#) | Full Text: [PDF\(198 KB\)](#) **IEEE CNF**[Rights and Permissions](#)**29. Development of outage restoration system using genetic algorithm**

Matsumoto, Y.; Hase, S.; Kinoshita, T.;

[Power Engineering Society Winter Meeting_2000 IEEE](#)

Volume 4, 23-27 Jan. 2000 Page(s):2775 - 2779 vol.4

Digital Object Identifier 10.1109/PESW.2000.847322

[AbstractPlus](#) | Full Text: [PDF\(324 KB\)](#) **IEEE CNF**[Rights and Permissions](#)**30. Data requirements for real-time monitoring and control of feeders**

Baran, M.E.;

[Power Engineering Society 1999 Winter Meeting_ IEEE](#)

Volume 1, 31 Jan.-4 Feb. 1999 Page(s):374 - 376 vol.1

Digital Object Identifier 10.1109/PESW.1999.747483

[AbstractPlus](#) | Full Text: [PDF\(236 KB\)](#) IEEE CNF
[Rights and Permissions](#)

 31. **Modeling of TCC-based protective devices**

Jun Li; Butler-Purry, K.L.; Benner, C.;
[Transmission and Distribution Conference and Exposition, 2003 IEEE PES](#)
Volume 1, 7-12 Sept. 2003 Page(s):150 - 156 Vol.1
Digital Object Identifier 10.1109/TDC.2003.1335173

[AbstractPlus](#) | Full Text: [PDF\(743 KB\)](#) IEEE CNF
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 32. **The role of neural networks in telerehabilitation**

Silvennan, G.;
[Neural Engineering, 2003. Conference Proceedings. First International IEEE EMBS Conference on](#)
20-22 March 2003 Page(s):664 - 667

[AbstractPlus](#) | Full Text: [PDF\(460 KB\)](#) IEEE CNF
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 33. **Experiences with the development of a robot for smart multisensoric pipe inspection**

Kuntze, H.-B.; Haffner, H.;
[Robotics and Automation, 1998. Proceedings. 1998 IEEE International Conference on](#)
-Volume 2, 16-20 May 1998 Page(s):1773 - 1778 vol.2
Digital Object Identifier 10.1109/ROBOT.1998.677423

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Result # 1 Relevance:

What Can Be Automated?: The Computer Science and Engineering Research Study (COSERS)

1980-01-01 IPCOM000128748D Eng

It is truly difficult to capture with a single question the essence of research in a diverse active area of science and technology, but the query in the title comes very close. This first posed by the late Professor George Forsythe of Stanford ...

Result # 2 Relevance:

Design Automation System

1958-06-01 IPCOM000098822D Eng

In the design and development of a computer there are many areas of repetitive analysis: is much recording, changing, and checking of detail to be done. It is necessary for this information to be absolutely accurate; therefore, this system utilizes ...

Result # 3 Relevance:

COMPUTER-AIDED DESIGN OF COMPUTER ARCHTECTURES USING INTERACTIVE GRAPHIC REPRESENTATION

1978-12-31 IPCOM000151435D Eng

Report No. UIUCDCS-R-78-952 COMPUTER-AIDED DESIGN OF COMPUTER ARCHITECTURE INTERACTIVE GRAPHIC REPRESENTATION by Richard John Kirich December 1978 Department of Computer Science University of Illinois at Urbana-Champaign Jc This work was support

Result # 4 Relevance:

The Bodig Diagramming System

1979-03-01 IPCOM000066574D Eng

This engineering documentation system maintains a common avenue of communication between initial engineer's hand drawn logical circuit diagram to the final engineering diagram.

Result # 5 Relevance:

Computer Design System

1979-01-01 IPCOM000066174D Eng

The computer-design system described herein has basically two input formats, both allowing Care conditions. This system differs from a previous system (1) which does not allow for the specification of Don't- Care conditions. This fact makes possible the (automatic) ...

Result # 6 Relevance:

MICROPROGRAM VERIFICATION CONSIDERED NECESSARY

1977-12-13 IPCOM000148690D Eng

W.C. Carter, W.H. Joyner, Jr., D. Brand IBM Thomas J. Watson Research Center Yorktown Heights, N.Y. 10598 Typed by Lynne Bryant ABSTRACT: Microprograms have been around for some time and so have errors in them. Therefore techniques have been developed for ...

Result # 7 Relevance:

IEEE Computer Volume 11 Number 6 -- NEW PRODUCTS

1978-06-01 IPCOM000131324D Eng

NEW PRODUCTS * Microprocessor-based minicomputer runs IBM 370 software * Datacom available for Univac, Spectra, Burroughs * Computer Automation attacks communication problem * Intertec optimizer enhances DECwriters * Printronix printer/plotter ...

.....
Result # 8 Relevance: 

SENSORS FOR COMPUTER CONTROLLED MECHANICAL ASSEMBLY

1976-03-25

IPCOM000148710D

Eng

SENSORS FOR COMPUTER CONTROLLED MECHANICAL ASSEMBLY S. S. M. Wanq P. M. (1i25605) 3 2 5 7 6 Computer Science 35 pages Computer Sciences DepartmentIBM Thomas Watson Research Center Yorktown Heights, New York 10598 ABSTRACT: This paper ...

.....
Result # 9 Relevance: 

AUTOMATIC RANDOM LOGIC LAYOUT SYNTHESIS - A MODULE GENERATOR APPROACH

1986-12-31

IPCOM000151785D

Eng

Report No. UIUCDCS-R-86-1244 AUTOMATIC RANDOM LOGIC LAYOUT SYNTHESIS A MODULE GENERATOR APPROACH MENG-LIN YU B.S., National Taiwan University, 1980 M.S., University of Illinois, 1984 THESIS Submitted in partial fulfillment of the requirements for the degree

.....
Result # 10 Relevance: 

PARSING TO LEARN FINE GRAINED RULES

1988-08-31

IPCOM000150408D

Eng

PARSING TO LEARN FINE GRAINED RULES S. Roy and J. Mostow WP-TR-69 Laboratory for Mathematical Sciences Bush Campus, Rutgers University, New Brunswick, New Jersey 08903 The research reported here was supported in part by the

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Result # 11 Relevance:

Basic Technology

1978-09-01 IPCOM000131232D Eng

Honeywell Information Systems Computer technology will continue to advance, and the we need will exist in VLSI. But capitalizing on them will require innovative design tools architectures. In a world of generally rising costs, the cost of data ...

Result # 12 Relevance:

Discussion: The Burroughs B 5000 in Retrospect

1987-01-01 IPCOM000129533D Eng

Editor's Note: The day's discussion began with many of the key managers, designers, a of the Burroughs B 5000 recalling the era in which the system was conceived and intro

Result # 13 Relevance:

Record of the Workshop on Research in Office Semantics

1981-12-31 IPCOM000128137D Eng

0 2. Research in Workstation Network~ Semantics 3. Implementation Strategies for Offi Systems 3 4. Office Streamlining 4 5. The System for Business Automation (SBA) 4 6. tile Use of Procedures in Office Work 5 7. Odyssey: A Knowledge- ...

Result # 14 Relevance:

IEEE Computer Volume 16 Number 5 -- NEW PRODUCTS

1983-05-01 IPCOM000131609D Eng

NEW PRODUCTS * Converter makes word Processors diskette compatible * Single drive small business computer * Add-on to WordStar provides 94 technical characters * Rela HP 6942A has rate of 1 K channels/second * System handles 18 and ...

Result # 15 Relevance:

The Use of LSI Modules in Computer Structures: Trends and Limitations

1978-07-01 IPCOM000131328D Eng

Advances in LSI technology are beginning to outstrip architectural innovations and their implementation, calling for greater software prod activity and development of better de are in the midst of a revolution, fueled by integrated circuit technology, that ...

Result # 16 Relevance:

The Conception and Development of Parallel Processors -- A Personal

1982-01-01 IPCOM000129382D Eng

The circumstances surrounding the conception and development of centrally controlled processors are described in this article. The time period involved, from 1953 to 1975, b Westinghouse SOLOMON systems, their precursors, and the University of Illinois ...

Result # 17 Relevance:

PROGRAM SPEEDUP THROUGH CONCURRENT RECORD PROCESSING

1974-10-31 IPCOM000151298D Eng

Richard Ernest Strebendt, Ph .D. Department of Computer ScienceUniversity of Illinois . Champaign, 1974 Much effort in the past has been devoted to speeding up computatio

through the use of multiprocessing. This paper examines the problem of ...

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www.steellinks.com/pages/Automation_and_Control/mc...
[Found on Google, Yahoo! Search]

3. [Migration Systems](#)

... Document On-Line Optical Storage and Retrieval System (DOOSRS) ... OCHAMPUS Europe Office Automation System/Active Duty Claims Adjudication System ...
www.fas.org/irp/doddir/dod/migatt2.htm
[Found on Google, Ask.com]

4. [Systems Engineering UMBC](#)

Master's and Certificate Programs Flexible, Evening Courses
Sponsored by: www.umbc.edu/se/

5. [Using Complex Data Management to Optimize Process Control and ...](#)

digital automation system deployed at thousands of sites around the world. ... in-house R&D program, the Compressor Engineering System (CES) was developed.
...
www.objectivity.com/pages/downloads/whitepaper/pdf...
[Found on Google, Yahoo! Search]

6. [automationtechies](#)

Recruiters for Automation, Process Control & Instrumentation Engineers
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7. [Systems Engineering](#)

Search Dice.com for Systems Engineering Jobs. Apply Online.
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8. [Military Acronyms, Initialisms, and Abbreviations](#)

JFMSES Joint Frequency Management and Spectrum Engineering System (PACOM) ... JMAS mission application software, [JP 1-02] Joint Manpower Automation System ...
www.fas.org/news/reference/lexicon/acj.htm
[Found on Yahoo! Search, Ask.com]

9. **Home Automation Systems**

DIY Home Automation & Multi-Room Audio Packages.
Free Estimates!
Sponsored by: www.MileHighAutomation.com/
[Found on Ads by Google]

10. **Case Book & Source Directory Forklifts, MHE & WMS**

... Guide - 2006 Industrial Automation System Integrators
- Compiled by Control ... Publication Automation
Integrator Guide 2006 - Supplement to Control
Engineering. ...
www.forklift1.com/Directory.html
[Found on Yahoo! Search, Ask.com]

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Systems Engineering.
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12. **Data Acquisition Using a Laptop**

Data Acquisition & Control boards which plug into the
serial port of a Laptop or PC. View data live on screen,
plot to a chart recorder graph, or log to file. Stack
multiple boards together...
Sponsored by: www.weedtech.com
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13. **the hackers acronym chart created for the hacking community by ...**

... COEES Central Office Equipment Engineering System
COEM Commercial Original Equipment ... Edition
OASYS Office Automation System OBU Option Business
Unit ...
www.ctext.org/CuD/Misc/hack_acronym.list
[Found on Yahoo! Search, Ask.com]

14. **Memory Retrieval - How Information is Retrieved From Memory**

Once information has been encoded and stored in
memory, it must be retrieved in order to be used. Learn
more about memory retrieval as well as possible
problems with this process.
psychology.about.com/od/cognitivepsychology/a/memo...
[Found on About]

15. **Modernizing the U.S. Air Force Base Level Automation System**

Force Base Level Automation System (1981) Computer
Science and Telecommunications Board ... level system.
Such systems need not be ...
www.map.edu/books/N10G0455/html/12.html
[Found on Ask.com]

16. **Xyntek, Inc.- Life Sciences Industry**

Implemented CyberLAB, a knowledge engineering
system to collect, organize, warehouse and ... Designed
and developed a compound storage retrieval system, ...
www.xyntekinc.com/default.aspx?plID=7 [Found on Google]

17. **Linux Ecology How-To - X10 - Home Automation System**

Linux Ecology How-To: X10 - Home Automation System
linux.about.com/od/eco_.../howto/3/hwteco37.htm
[Found on About]

18. **SUBMARINE AUTOMATION:
DEMONSTRATION #5**

The control hierarchy of the submarine automation

system is shown in figure 3. The ... to execute the Submerged_Transit command and the Engineering system ...
www.lsc.mel.nist.gov/documents/huang/SubmarineAuto...
[Found on Yahoo Search]

19. [Committee Reports](#)

Storage and Retrieval Engineering System (DSREDS)/Engineering Data Computer Assisted Retrieval System (EDCARS) as recommended by ...
www.congress.gov/cgi-bin/cpquery/?&dbname=cp104&&r... [Found on Ask.com]

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Web Search Results for ""automation system" "engineering sy..."

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21 - 40 of 84 from All Search Engines ([About Results](#))

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21. **[Automation System - Automatic Trashcan](#)**
 Try the touchless trashcan, you will never go back to the traditional or step-on trash can again. After all, it's your most use appliance everyday, make it easier.
 Sponsored by: [www.touchlesstrashcan.com](#)
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22. **[The IIRG<= Input by: MERCENARY Version](#)**
[Twelve \[03/31/2000\] E-mail](#)
 Advanced Administration System AAS Advanced Automation System AAS Anabolic Androgenic Steroids ... Automatic Information Retrieval System AIS ...
[www.textfiles.com/magazines/PHANTASY/iirg-acronyms...](#) [Found on Ask.com]
23. **[Automatic Storage and Retrieval System - AR-RS](#)**
 Automatic Storage and Retrieval System - AR/RS - Glossary
[http://industry.about.com/library/terms/a/bld_asrs....](#)
[Found on About]
24. **[Automation Engineering](#)**
 Find degrees from accredited online universities.
 Request free info.
 Sponsored by: [www.CourseAdvisor.com](#)
[Found on Ads by Ask.com]
25. **[Emerging challenges in cognitive ergonomics: managing swarms of self-organizing ag...](#)**
 ... variable describes the state space of the joint human+automation system. ... teleoperation system, Reliability Engineering & System Safety, 53, 319+325.
 D ...
[www.engineering.uiowa.edu/~csl/publications/pdf/le...](#)
[Found on Yahoo! Search]
26. **[Custom Machines Inc. Automation Systems](#)**
 Custom Machines Inc. is a machine designer and builder in the industrial automation field specializing in robot, laser, and vision system integration.
 Sponsored by: [www.custommachinesinc.com](#)
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27. **[Automation Engineering](#)**
 Save On Automation Engineering! Automation Engineering Online
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[www.AutomationEngineering.Center.US.com](#)
[Found on Ads by Ask.com]
28. **[Modernizing the U.S. Air Force Base Level](#)**

Automation System

Improved data structures or retrieval speed can be...
orougn about by exchanging ... Such systems need not
be expensive; a civil engineering system might cost....
books.nap.edu/openbook.php?record_id=10450&page=12 [Found on Google]

29. Automation System

Find providers of automation controls in our directory.
Sponsored by: www.business.com
[Found on Ads by Yahoo!, Internet Picks]

30. Post Mortem Sperm Retrieval for ART

Post Mortem Sperm Retrieval for ART, Infertility, A
touchy situation with ethical pitfalls everywhere but what
do you do when in the
infertility.about.com/b/a/111417.htm [Found on About]

31. Automatic Screwfeeding and Screwdriving

Carlson Engineering designs and builds automatic screw
driving and screw feeding systems and components. Our
screwdriving systems automatically install screws on an
assembly line or cell.
Sponsored by: www.carlsoneng.com
[Found on Ads by Yahoo!, Internet Picks]

32. Automation Engineering

Top Automation Engineering Offers! Worth To See,
Check The Site for Automation Engineering To Find Out
More!
Sponsored by: Automation-Engineering Pages.US.com/
[Found on LookSmart]

33. An advanced distribution automation system

experience from ...

Warehouse (HIS) for storage and retrieval of historical
data. ... The Integrated Data Engineering System (IDES)
is a. Graphical Data ...
ieeexplore.ieee.org/iel5/7205/19411/00900043.pdf
[Found on Google]

34. totally integrated

... collection, analysis, retrieval and reporting ... into the
SIMATIC PCS 7 automation system. ... one Engineering
System were installed in the new control ...
www.ad.siemens.com.cn/products/as/pcs7/download/TI...
[Found on Yahoo! Search]

35. Rusbiz

... guides, meters, software, Engineering and Inspection
services, Surface preparation systems ... variable speed,
Bus system Automation, ...
www.rusbiz.com/exhibitions.html [Found on Ask.com]

36. Foundations for the ECBS Process -

Engineering of Computer-Based ...

such an abstract engineering system is called a Process.
Model. Theoretical consideration and Information
Storage and Retrieval (IISR). The following ...
ieeexplore.ieee.org/iel3/3565/10673/00494505.pdf?is...
[Found on Google]

37. GM ABS Code Retrieval

GM ABS Code Retrieval by your About.com Auto Repair
Guide
autorepair.about.com/library/images/01318a-lb.htm
[Found on About]

38. Ball Retrieval? - Volleyball

If a ball crosses the vertical plane outside the antennas,
can a player bring it back to his own side and continue
play?

volleyball.about.com/library/bivirtcal/piano.htm
[Found on About]

39. [Embedded file system for a programmable logic controller - US](#)

Abstract of "A phototyping and reverse engineering system for mechanical ... Abstract of "Learning environment for a process automation system using ...
www.patentsform.us/patents/6645401-claims.html
[Found on Google]

40. [Omegamation a Quality Automation Source](#)

The OMEGAMATION(TM) line of automation products is here to meet today's changing manufacturing landscape. Sensors, PLCs, HMI, Enclosures, Motion Systems, Power Products and much more. OMEGA...
Sponsored by: omegamation.com
[Found on Ads by Yahoo!, Internet Picks]

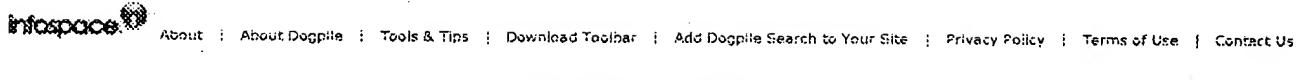
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"automation system" "engineering system" "retrieval"

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Web Search Results for ""automation system" "engineering sy..."

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41 - 60 of 84 from All Search Engines ([About Results](#))

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41. [Automation System Info](#)

Get Info on Automation System from 14 search engines in 1.
Sponsored by: [www.info.com](#) [Found on LookSmart, Enhance Interactive]

42. [Energy & the Environment - Industrial Source Directory](#)

Top - Automation Integrator Guide - 2006 Industrial Automation System Integrators - Compiled by Control Engineering/ Integrators - a ...
[info-energy.com/Directory.html](#) [Found on Ask.com]

43. [capabilities](#)

... effects mode analysis for the automation system will be verified by testing ... Under these contracts, engineering, system engineering, and process engineering ...
[www.gd-aia.com/Contracts/idiq/seaport/capabilities...](#) [Found on Yahoo! Search]

44. [Flexible Automation by Remtec](#)

Remtec designs and builds flexible automated systems including, gantry systems, custom conveyor, index tables, machine load/unload, custom fixtures and tooling, packing/unpacking systems.
Sponsored by: [www.remtecautomation.com](#) [Found on Ads by Yahoo!, Internet Picks]

45. [1991-Russian Crash & Retrieval](#)

1991-Russian Crash & Retrieval, UFO Invades Russian Airspace
[ufo.about.com/od/beestuocrashcases/p/russia1991.h...](#) [Found on About]

46. [Retrieval Systems - Buy at DealTime.com!](#)

Save time and money every time you shop! DealTime lets you compare products, prices and stores for free. Find the Web's best prices in seconds.
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47. [ORMEC Automation System](#)

ORMEC motion control systems integrate servo motion controllers, logic control, drives, servo motors, MMI and networking (FireWire and Ethernet) into cost-effective solutions for factory au...
Sponsored by: [www.ormec.com](#) [Found on MIVA]

48. [Military Acronyms, Initialisms, and Abbreviations](#)

RAMES reliability, availability, maintainability, engineering system ... RCAS Component Automation System (formerly CAMIS), USREDCOM Command and Control ...

www.fas.org/news/reference/lexicon/acr.htm
[Found on Yahoo! Search]

49. **Systems Engineering**

Model-Based Systems Engineering Training and
Mentoring for SysML/MDA.
Sponsored by: www.pathfindermda.com
[Found on Ask Jeeves Internet Picks]

50. **NRaD Brief FY 95/96 Text Version**

CIRCUIT MAYFLOWER Shore Automation System
(CMSAS) ... Provide system engineering, system
development, and system testing of ...
[www.spawar.navy.mil/sti/publications/pubs/tb/2900/...](http://www.spawar.navy.mil/sti/publications/pubs/tb/2900/)
[Found on Yahoo! Search]

51. **Central Florida Technical Services**

C and H Merrill, Inc. provides technical services
throughout Central Florida. These services include
machine design and automation engineering for
industrial and research communities. Call ...
Sponsored by: ch-merrill.com [Found on Enhance Interactive]

52. **Automation**

Looking for Automation? Search over 15,000 sites with
one click. Your source for everything under the sun!
Sponsored by: www.findstuff.com
[Found on Enhance Interactive]

53. **IVFanatomy**

Basic steps during IVF, downregulation,
hyperstimulation, retrieval and transfer
infertility.about.com/cs/ivf/a/IVFanatomy_2.htm
[Found on About]

54. **In Vitro Fertilization (IVF) - Step by Step**

The in vitro fertilization (IVF) process is difficult to follow
sometimes. The maze of steps, treatments and fertility
drugs can feel overwhelming. Here is a quick, step by
step guide to IV...
infertility.about.com/od/ivf/ss/ebcivf_5.htm

55. **Dynamic access to automation resources -**

Patent 20040027875

[0020] The retrieval of configuration data records stored
in the automation system is facilitated if every
configuration data record is provided with a ...
www.freepatentsonline.com/20040027875.html
[Found on Google]

56. **062 Abbreviations: Technical**

AAS ADVANCED AUTOMATION SYSTEM. AAS
ADVANCED ADMINISTRATION SYSTEM ... GENESYS
GENERAL ENGINEERING SYSTEM. GERM
GENERALIZED ENTITY-RELATIONSHIP MODEL ...
www.computermuseum.org/Testpage/99HISTORYCD/Technic...
[Found on Yahoo! Search]

57. **==Phrack Inc.== Volume Two, Issue 20, File**

11 of 12 Metal Shop

Equipment COEES COE Engineering System COLT
Central Office Line Tester COMSAT ... Multiplexer
OASYS Office Automation SYStem OC Operator ...
www.phrack.org/archives/20/P20-11 [Found on Ask.com]

58. **international information retrieval guild**

-International Information Retrieval Guild
www.mirrorservice.org/sites/ftp.wiretapped.net/pub...
[Found on Yahoo! Search]

59. **Patents in Class 707/10**

A data representation and retrieval method and

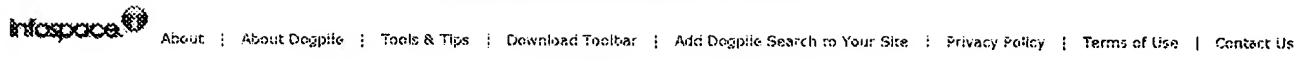
apparatus enables to quickly locate An engineering system (1) and an associated automation system (1), ...
www.freepatentsonline.com/CCU-707-10-p6.html
[Found on Google]

60. [Automation System](#)

"Looking for Automation system? Search over 15,000 sites with one click. Your source for everything under the sun!"
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The screenshot shows the Dogpile search engine interface. At the top, there's a navigation bar with links for Web, Images, Audio, Video, News, Yellow Pages, and White Pages. Below the navigation bar is a search bar containing the query: "'automation system' 'engineering system' 'retrieval'". To the right of the search bar are buttons for 'Search', 'Advanced Search', and 'Preferences'. Below the search bar, it says 'Now Searching' followed by 'Google', 'Yahoo! SEARCH', 'Live Search', and 'Ask'. There's also a 'Learn More' link.

Web Search Results for ""automation system" "engineering sy..."

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61 - 80 of 84 from All Search Engines ([About Results](#))

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61. [Yellow Pages Phone book](#)

Find any business. Get current phone, address, city, state, zip. Find current coupons, directions and maps plus much more.

Sponsored by: [YellowPages.addresses.com](#)
[Found on Enhance Interactive]

62. [POP Inside Out - Mail Retrieval and Deletion - About Email](#)

Have you ever wondered what happens when your email client retrieves mail from a POP account? Here's how the Post Office Protocol lets you and your email software do it.

[email.about.com/cs/standards/a/how_pop_works_3.htm](#)
[Found on About]

63. [UNESCO CII - WebWorld](#)

... Methodologies or Applications (Database); Others (Information Retrieval Systems) ... Low-level Programming); System Engineering (System Software for PCs and ...
[www.unesco.org/webworld/informatics_experts/europe...](#)
[Found on Yahoo! Search]

64. [FEC Assembly Solutions](#)

Automation Systems, electric nutrunners, and Servo presses. Reliability you can depend on.
Sponsored by: [www.fec-usa.com](#) [Found on Internet Picks]

65. [15 Table of Contents For SeaPort Enhanced Contract: NOO178-04-R-4000](#)

... and deployed a web-based work process automation system to rapidly increase the ... Engineering, system engineering, and process engineering support ...
[www.mantech.com/grayhawk/seaport_enhanced/technica...](#)
[Found on Yahoo! Search]

66. [Automation System and SCADA Solutions](#)

PLCs, RTUs, radios, HMI software, SCADA servers, pump controllers, installation and design.
Sponsored by: [www.aquasierra.com](#)
[Found on Internet Picks]

67. [Find Automation Equipment](#)

Compare automation system websites and auction results here.
Sponsored by: [www.megasearch.biz](#)
[Found on Internet Picks]

68. [F-22 Raptor - Acronyms - J](#)

JFMSES Joint Frequency Management and Spectrum Engineering System (PACOM) ... 1joint mission application software, 2[JP 1-02] Joint Manpower Automation System ...

[members.fortunecity.es/raptor2/jcast.html](#)
[Found on Yahoo! Search]

69. **Factory Automation**

It's all about Factory Automation and related Topics.
Sponsored by: [www.your-factoryautomation.info](#)
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70. **BABEL: A Glossary of Computer Related Abbreviations and Acronyms**

BABEL is a glossary of computer related abbreviations and acronyms updated ... Clearinghouse for Networked Information and Discovery and Retrieval [Internet] ...
[www.geocities.com/ikind_babel/babel/babel.htm](#)
[Found on Yahoo! Search]

71. **Complete Home Automation Packages**

We professionally design and program - You get it installed.
Sponsored by: [www.milehighautomation.com](#)
[Found on Internet Picks]

72. **exhibit 53**

The Data Archival and Retrieval Enhancement (DARE) System assists with the ... Computers, and Information Automation System (C4IAS) consolidates nine ...
[www.whitehouse.gov/omb/budget/fy2005/sheets/lspen...](#)
[Found on Yahoo! Search]

73. **—LEGAL— acron.vera is based on a spec....**

... (RND) CAR - Computer Aided Retrieval CAR - Computer Assisted Radiology CARCAS ... Office Equipment COEES - COE Engineering System (COE) COFF - Common Object File ...
[www.mit.edu/~wchuang/unix/Unix/Acronyms.txt](#)
[Found on Yahoo! Search]

74. **Glossary, Acronyms, and Abbreviations**

ADAS - airborne data automation system ... ATFES - Army Tactical Frequency Engineering System. ATG - antenna transceiver group ...
[iusaedu.com/Glossary/Glossary.pdf](#)
[Found on Yahoo! Search]

75. **Acronyms**

AADARS- Afloat Automated Data Acquisition and Retrieval System ... DIMES- Defense Integrated Management Engineering System(s) ...
[www.ordnance.org/acronyms.htm](#) [Found on Yahoo! Search]

76. **2005 Missouri Quality Award Application**

Summary

Network Space Planning & Engineering. Network Building ... to include Building Automation System remote ... Engineering System (SITES) database has ...
[www.mqa.org/pdf/2006%20print%20FEM%20App%20Summer...](#) [Found on Yahoo! Search]

77. **F-22 Raptor - Acrónimos - J**

JFMSES Joint Frequency Management and Spectrum Engineering System (PACOM) ... 1joint mission application software, 2[JP 1-02] Joint Manpower Automation System ...
[members.fortunecity.es/raptor2/jcast.html](#)
[Found on Yahoo! Search]

78. **Software Program Development Tool (e.g., Integrated Case Tool Or Stand-alone Devel...**

... 06 - 20060168556 - Engineering system for distributed ... real-time control in an automation system for a distributed industrial system formed thereby ...
[www.freshpatents.com/x171710400psbc.php](#)

[Found on Yahoo! Search]

79. **COMBINED PRAXIS AND TRC PROJECT**

REFERENCES 1991 TO PRESENT

... the design, engineering, system configuration, software ... and training of an automation system in Indonesia for CALTEX (a joint venture between Texaco,

...

www.treat.com/TRC%20Library/Project%20References.p... [Found on Yahoo! Search]

80. **EUROCAST**

Hyper-Automation System Applied to Geometry Demonstration Environment ... SYNERGY: The Design of a Systems Engineering System, I. by: A. Wayne Wymore ...

www illu.edu/docs/dti/euroca/index.html

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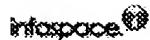
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81 - 84 of 84 from All Search Engines ([About Results](#))

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81. [A Glossary of Computer Related Abbreviations and Acronyms](#)

a glossary of computer related abbreviations and acronyms ... Clearinghouse for Networked Information and Retrieval CNN Composite Network Node ...
www.helpinghandcomputers.com/puterize.htm
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 "automation system" "e....
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82. [International Relations and Security Network ISN - Acronyms and Abbreviations](#)

ACMES - Automated Communications Security Management and Engineering System ... AMTAS - Army Modernization Training Automation System ...
www.isn.ethz.ch/pubs/tools/index.cfm?abbrev=a
 [Found on Yahoo! Search]

83. [CSAIL Publications](#)

2005 Technical Reports, 2005 Research Abstracts.
 Historical Collection s ... SIR: A Computer Program for Semantic Information Retrieval, June 1964 ...
www.ai.mit.edu/research/publications/browse/0200br...
 [Found on Yahoo! Search]

84. [H. Rpt. 104-208. DEPARTMENT OF DEFENSE APPROPRIATIONS BILL, 1996](#)

GlobalSecurity.org is the leading source for reliable military news ... 83 Reserve Component Automation System.84 Information Systems.84 Local Area Network.
 ...
www.globalsecurity.org/military/library/congress/t...
 [Found on Yahoo! Search]

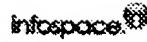
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Tip: Save time by hitting the return key instead of clicking on "search"

An advanced distribution **automation system** experience from ...

Supply Restoration (FLISR) application identifies errors via information Warehouse (HIS) for storage and **retrieval** of historical data.

ieeexplore.ieee.org/iel5/7205/19411/00900043.pdf - [Similar pages](#)

Migration Systems

... Defense Site Environmental **Restoration** Tracking System (DSERTS) ... OCHAMPUS Europe Office **Automation System**/Active Duty Claims Adjudication System ...

www.fas.org/irp/doddir/dod/migatt2.htm - 16k - [Cached](#) - [Similar pages](#)

Military Acronyms, Initialisms, and Abbreviations

RAPS 1**retrieval** analysis and presentation system, 2risk approval of program system,

3response planning, 4**restoration** priority, 5recovery phase, ...

www.fas.org/news/reference/lexicon/acr.htm - 342k - [Cached](#) - [Similar pages](#)

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[PDF] DPW Automation Pamphlet 2002.doc

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Multiple data **retrieval** procedures to generate listings of project with the USAREUR Community **Automation System** (UCAS) to share and exchange service ...

www.hqda.army.mil/ACSIM/doc/DPWAutomationPamphlet2002.pdf - [Similar pages](#)

The Hackers Acronym Chart Created for The Hacking Community By ...

... International Information **Retrieval** Guild <- Member Sites Support Sites Electronic Edition OASYS Office **Automation System** OBU Option Business ...

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Catalog

His experience includes development **engineering**, **system** programming, are used throughout the course to demonstrate and expedite InSQL data **retrieval**. ...

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Digital MIDAS- Maintenance Information Data **Automation System** ...

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A

Automated COMSEC Management and **Engineering System**. ACO. Administrative Contracting Officer Digital Storage and **Retrieval** of Engineering Data System ...

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Fuzzy Logic Research Group

Fuzzy User Modelling for Information **Retrieval** on the World Wide Web Use of fuzzy technology and neural network for field-bus **automation system** ...

www.cci.dmu.ac.uk/groups/fuzzy/publications.php - 148k - [Cached](#) - [Similar pages](#)

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File Format: PDF/Adobe Acrobat - [View as HTML](#)
capture, storage and **retrieval** of product development information. and Design
Automation System, Proc. of the 6th International Conference of ...
www.mne.psu.edu/simpson/NSF/EXCITED/NSF-EXCITED-Wkshp.CVs.pdf - [Similar pages](#)

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Web Results 11 - 20 of about 99 for "automation system" "engineering system" "restoration" "retrieval". (0

Military Acronyms, Initialisms, and Abbreviations

RAPS 1 retrieval analysis and presentation system, 2risk approval of program system,

RCAS 1 Reserve Component **Automation System** (formerly CAMIS), ...

www.globalsecurity.org/military/intro/reference/lexicon/acr.htm - 354k -

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Military Acronyms, Initialisms, and Abbreviations

DARE 1document abstract **retrieval** equipment, 2documentation automated ... DAS 1data acquisition subsystem, 2data **automation system**, 3Director of the Army ...

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[DOC] Competency Dictionary

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Knowledge of **engineering; system** engineering; manufacturing; testing; quality, the organization, storage, **retrieval**, security, and integrity of data. ...

nasapeople.nasa.gov/hclwp/CMS-DOC-01_Rev5_NASA_CompetencyDictionary.doc -

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Simulating Electronic Device Or Electrical System - Software ...

An integrated product and process **engineering system** may be a computer the ability generate customized **retrieval** routines that support reusable

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Environmental Control and Life Support Systems ECLSS Knowledge ...

Approved Descriptor 2006-12-13 2006-12-13 1064 Human-**Automation System** Design

HFEHUMAUTO TBD (includes Distributed Supervisory Control Design; ...

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Engineering Drawing Automated Storage and Retrieval Equipment ... Engineering Support **Automation (System)** (J-344 is the project sponsor) ...

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Provide system **engineering**, system development, and system testing of advancements in ... sophisticated message **retrieval**, automated shipboard message ...

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No **automation system** presently exists that meets Navy requirements. the program and **retrieval** of digital images, for example in digital cameras. ...

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Natural Language Based Information Retrieval, C-DAC, Pune Installation and commissioning of **automation system** of lighthouses- Sameer ...

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International Information Retrieval Guild <-- The Hackers Acronym Chart ... System AAS
Advanced Automation System AAS Anabolic Androgenic Steroids AAS ASCII ...
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[doc] The Telephony Acronyms and Abbreviations List from Hell

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COEES Central office equipment **engineering system** MARK IV General purpose information storage and **retrieval** system. MARS Mechanized automotive repair ...
jabberdesign.com/layer3/Telephony_Acronyms.doc - Similar pages

Computer Acronym List.v2.00 This is a list of computer acronyms ...

... Interactive Editing Facility BRS Bibliographic Retrieval Service Big Red Report Function Emergency Restoration Facility ERLL Enhanced Run Length ...
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COEES Central Office Equipment Engineering System COEM Commercial Original Equipment Manufacturer RCLDN Retrieval of Calling Line Directory Number ...
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Funds Active Component, US Army Reserves, and Army National Guard facility new construction (MCA, MCAR, MCNG) and Sustainment, **Restoration**, ...
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[doc] 1.1 TEST PRODUCTS

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Support development of the Installation **Restoration** out-year program. to automated systems for data input and **retrieval**, password management, ...
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24KHGE 24 Karat Heavy Gold Electroplate 2B1Q 2 Binary 1 Quaternary ...

... Release ADSTAR Advanced Storage and **Retrieval** ADSU ATM Data Service Unit
ADT Interaction Simulator OASYS Office Automation **SYStem** OAT Outside Air ...
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Retrieval of a service reference object and service use Nevertheless, the **restoration** requires the class file of the stub - remote class loading is ...

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Computer Aided Laboratory **Automation System** 计算机辅助实验室自动化 ...
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Fault Tree Analysis

Includes information management; information storage and **retrieval** checking that the potential failures of the control and **automation system** are not ...
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Insure status is available for **retrieval** and read-only by the government and their
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... softening software **engineering system**; software life cycle support", is applied to the design of a distributed factory **automation system**. ...

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improved organization, **retrieval**, manipulation, and storage of BMD Computers, and Information **Automation System** (C4IAS) consolidates nine previously ...

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Document Analysis Systems: Theory And Practice. Third Iapr Workshop, Das'98. ...

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Insure status is available for **retrieval** and read-only by the Civil **Engineering System** (ACES) within five duty days of approval. Update ...

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Promote and assist in the retention and **restoration** of the System **Engineering - System** Engineering has purchased and developed (by year end) a water ...

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3535, CIE2004, CD, CIE-02 Data Models & **Retrieval**, DETC2004-57739, Handling Imprecise and Uncertain Engineering Information in IDEF1X and Relational Data ...
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